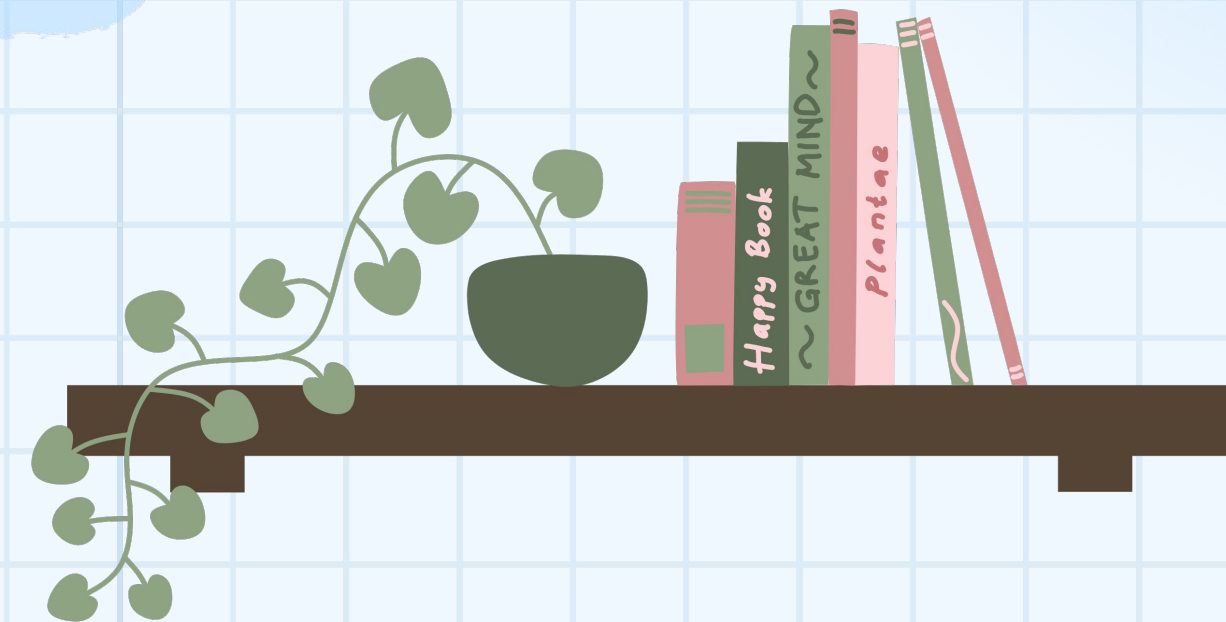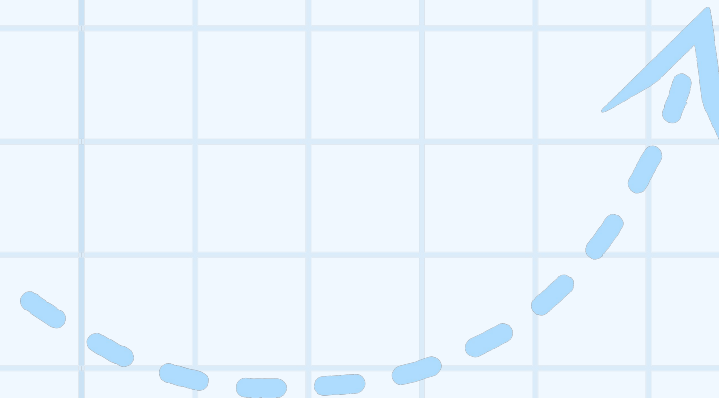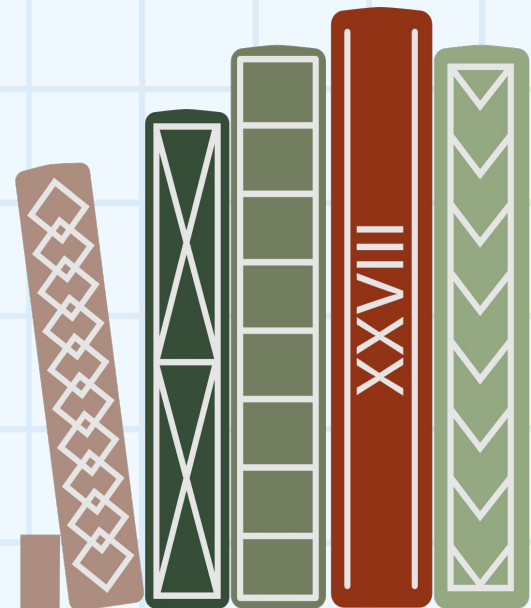# BS./BSC.IN
Applied AI and Data Science

Basics of Data Analytics

Let's dive into and learn:

1 Importing Data

Importing the Data

- Data that has been identified and gathered need to be imported into a repository.

- Put the data in one place before doing any operations on it.

- Importing involves combining the data from different sources into a combined platform with a single view.

- You will query and wrangle the data from this combined interface

- Depending on the type and volume of data, need different tools and methods to import data

Importing the Data

- Structured Data with well defined schema – relational database as the

  destination

  - Only structured data such as data from OLTP systems, spreadsheets,

    online forms

- Semi-Structured Data can be imported into NoSQL databases

  - XML and JSON commonly used to store semi-structured data

- Unstructured data – NoSQL databases and Data Lakes

Importing the Data

- ETL tools and Data Pipelines provide automated functions

    for importing data

- Python and R are popularly used

Importing Data

Thank you